

**Amendments to the Specification:**

Please add, after the claims, the following Abstract of the Disclosure:

**ABSTRACT OF THE DISCLOSURE**

A conversion unit for converting a first motion vector field (MVF1) into a second motion vector field (MVF2). The first motion vector field being computed, on basis of a first image and a second image of a sequence of images, for a temporal position between the first and second images. A first establishing means establishes a first group of un-referenced pixels in the first image. A second establishing means establishes a second group of un-referenced pixels in the second image. A computing means computes a match error of a candidate motion vector oriented from the first group of un-referenced pixels to the second group of un-referenced pixels. A comparing means for comparing the match error with a predetermined match threshold and assigning the candidate motion vector to one of the motion vectors of the second motion vector field if the match error is below the predetermined match threshold.